



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

646.3010
Job Sheet 170446



Part No: 646.3010

Job Qty: 10 ea

Part Name: LH Half



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/16/18

Job Tracking No:

Due Date: 1/24/18

Created By: Linda Lacelle

Type: SOLD

Description:

Note: DWG REV N/C SHEETS 2,6,7 IPP REV:A NEW ISSUE 13/01/14 JFS VERIFY BY: JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	10 Ea		1/4/18	0.00	0.00	Start Up Machining-1		<i>mmc 18/03/18</i>
100	Bandsaw	10 pcs		1/4/18	0.00	0.23	Bandsaw1		<i>vl</i>
110	CNC Vertical Machining	10 pcs		1/5/18	0.23	7.81	HAAS1-1		<i>vl</i>
120	QC	10 pcs		1/5/18	0.00	0.00	QC1		<i>vl</i>
130	QC	10 pcs		1/5/18	0.00	0.00	QC8 Machining-1		<i>JE-L 18-03-06</i>
140	Outsource	10 pcs		1/24/18			ATG001-VC	14	<i>mmc 18/03/18</i>
150	Packaging	10 pcs		1/24/18	0.00	0.00	Packaging2		<i>mmc 18/03/18</i>
155	QC	10 pcs		1/24/18	0.00	0.00	QC5		<i>mmc 18/03/18</i>
180	Packaging	10 pcs		1/24/18	0.00	0.00	Packaging3-1		<i>mmc 18/03/18</i>
190	QC21-SA	10 Ea		1/24/18	0.00	0.00	QC21		<i>mmc 18/03/18</i>

Part Op 100 - Cut Blank at 9.700"

Descriptions: 110 - 1-Machine per folio FB158 DWG REV: _____ FOLIO REV: _____ 2- deburr and break all sharp edges

120 - Inspect on CMM as per folio CMMA030. CMM PROG. REV: _____

140 - Issue P/O to ATG: *039246* 1- Black Anodize as per Dwg 646.3000

180 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

mmc MAR 08 2018

Job Allocations

Job Allocations could not be found.

M17075 TL56.000 x 0.250 5044632 10x9.7 = 809 p.i.

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	LH Half	0.250inches ± 0.005	0.255 0.245	Product	<i>-250</i>
2	LH Half	0.050inches ± 0.005	0.055 0.045		<i>-050</i>
3	LH Half	0.200inches ± 0.005	0.205 0.195		<i>-200</i>
4	LH Half	0.109inches ± 0.005	0.114 0.104		<i>-119</i>
5	LH Half	9.536inches ± 0.005	9.541 9.531		<i>9.536</i>
6	LH Half	8.898inches ± 0.005	8.903 8.893		<i>8.898</i>
7	LH Half	0.625inches ± 0.005	0.630		<i>-625</i>

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
☐ OTHER : _____					

			0.620	
8	LH Half	1.300inches $\pm$ 0.005	1.305 1.295	1.300
9	LH Half	5.317inches $\pm$ 0.005	5.322 5.312	5.317
10	LH Half	0.400inches $\pm$ 0.005	0.405 0.395	.400
11	LH Half	0.956inches $\pm$ 0.005	0.961 0.951	.956
12	LH Half	8.263inches $\pm$ 0.005	8.268 8.258	8.263
13	LH Half	9.150inches $\pm$ 0.005	9.155 9.145	9.150
14	LH Half	0.213inches $\pm$ 0.005	0.218 0.208	.213
15	LH Half	0.250inches $\pm$ 0.005	0.255 0.245	.250
16	LH Half	3.172inches $\pm$ 0.005	3.177 3.167	3.172
17	LH Half	4.860inches $\pm$ 0.005	4.865 4.855	4.860

Plex 1/16/18 1:00 PM dart.lacelle.linda

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		Skid-t Machir Thermoform Large		ring ☐ ility ☐ her ☐																																																								
Date :		Step #:		QTY El		Approval																																																								
Description Work Order Deviation						d By ipervisor fication inator																																																								
Date: 03/02/18																																																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: left;">Root Cause</th> </tr> </thead> <tbody> <tr> <td style="width: 15%;">Environment</td> <td>☐</td> <td style="width: 15%;">No Re-verification</td> <td>☐</td> </tr> <tr> <td>Design</td> <td>☐</td> <td>Operator</td> <td>☐</td> </tr> <tr> <td>Doc/Data</td> <td>☐</td> <td>Offset/Setup</td> <td>☐</td> </tr> <tr> <td>Equip/Tooling</td> <td>☐</td> <td>Supplier</td> <td>☐</td> </tr> <tr> <td>Handling/Pre</td> <td>☐</td> <td>Training</td> <td>☐</td> </tr> <tr> <td>Material</td> <td>☐</td> <td>Use for Testing</td> <td>☐</td> </tr> <tr> <td>Internal Transport</td> <td>☐</td> <td>Poor Information</td> <td>☐</td> </tr> <tr> <td>Tribal Knowledge</td> <td>☐</td> <td>Rushing</td> <td>☐</td> </tr> <tr> <td>LOA</td> <td>☐</td> <td>Product Improvement</td> <td>☐</td> </tr> <tr> <td>Substation</td> <td>☐</td> <td>Process Improvement</td> <td>☐</td> </tr> <tr> <td>Past Expiry Date</td> <td>☐</td> <td>Manufacturing Process</td> <td>☐</td> </tr> <tr> <td>Misidentified</td> <td>☐</td> <td>Past Due</td> <td>☐</td> </tr> <tr> <td colspan="4" style="text-align: center;">OTHER :</td> </tr> </tbody> </table>							Root Cause				Environment	☐	No Re-verification	☐	Design	☐	Operator	☐	Doc/Data	☐	Offset/Setup	☐	Equip/Tooling	☐	Supplier	☐	Handling/Pre	☐	Training	☐	Material	☐	Use for Testing	☐	Internal Transport	☐	Poor Information	☐	Tribal Knowledge	☐	Rushing	☐	LOA	☐	Product Improvement	☐	Substation	☐	Process Improvement	☐	Past Expiry Date	☐	Manufacturing Process	☐	Misidentified	☐	Past Due	☐	OTHER :			
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Inspector:
Revision:
Job No: 170446
Part: 646.3010
Serial No/Batch: S047320

Container No: S047320

DART
AEROSPACE
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 813 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

FINISH
Misread
Turning Sequence

Fit/Function
Misaligned/off center



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039246**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039246

PO Date: 3/8/18

Due Date: 3/16/18

Purchase Order
Revision:

Revision Date: 3/20/18

Ship-To Contact: Baker, Diane
Phone: dbaker@dartaero.com

E-MAILED

MAR 20 2018

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	171648	D5574-1	Blade Housing, Cable Cutter Issue P/O to ATG : Black Anodize & Prime as per Dwg. D5574 Certification of Conformity is required.	Firmed	4/2/18	3 pcs	0 pcs	3 pcs	\$11.87/pcs	\$35.61
2	172352	D5575-3	Break Away Tip, Lower Deflector Issue P/O to ATG : Black Anodize & Prime as per Dwg. D5575-3 Certification of Conformity is required.	Firmed	4/2/18	2 pcs	0 pcs	2 pcs	\$10.12/pcs	\$20.24
3	170170	647.7810	Bracket A Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 647.7800 Rev. A	Firmed	4/2/18	4 pcs	0 pcs	4 pcs	\$16.12/pcs	\$64.48
4	170171	647.7811	Bracket B Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 647.7800 Rev. A	Firmed	4/2/18	4 pcs	0 pcs	4 pcs	\$16.12/pcs	\$64.48
5	169393-A	647.7912	Clip ISSUE P/O: Hard Anodize, Color Black and Prime As Per Dwg. 647.7900	Firmed	4/2/18	12 pcs	0 pcs	12 pcs	\$11.22/pcs	\$134.64

3/20/2018

PURCHASE ORDER

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	170446	646.3010	LH Half Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 646.3000	Firmed	4/2/18	10 pcs	0 pcs	10 pcs	\$11.87/pcs	\$118.70
7	170447	646.3011	RH Half Issue P/O to ATG : Hard Black Anodize, Color Black and Prime as Per Dwg 646.3000	Firmed	4/2/18	10 pcs	0 pcs	10 pcs	\$11.87/pcs	\$118.70
171979				Firmed	4/2/18	16 pcs	0 pcs	16 pcs	\$11.87/pcs	\$189.92
Sub Total:						26	0	26		\$308.62
8	171847	C45-8-5	Solenoid Cover -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required	Firmed	3/23/18	20 pcs	0 pcs	20 pcs	\$5.37/pcs	\$107.40
9	172471	RBE350A94-3701-00	Main Rotor Rigging Tool -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant As per Dwg RBE350A94-3701-00 Rev. 2A -Certificate of Conformity is required	Firmed	3/23/18	6 pcs	0 pcs	6 pcs	\$4.77/pcs	\$28.62
10	173384	SWA10A-700A	Wire Clamp -Issue P/O to ATG: -HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 3 CLASS 2 -Certificate of Conformity is required	Firmed	3/23/18	28 pcs	0 pcs	28 pcs	\$7.37/pcs	\$206.36
11	172447	RBE350A94-2708-01-01	Slide -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant As per Dwg RBE350A94-2708-01-01 Rev. G -Certificate of Conformity is required	Firmed	3/23/18	4 pcs	0 pcs	4 pcs	\$4.77/pcs	\$19.08

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18/03/23

PURCHASE ORDER

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
12	171382	RBE350A93-3302-02-5	Extension Handle -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required	Firmed	3/23/18	6 pcs	0 pcs	6 pcs	\$10.57/pcs	\$63.42
13	171729	RBT18520-1	Lift Device Frame -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required	Firmed	3/23/18	6 pcs	0 pcs	6 pcs	\$4.77/pcs	\$28.62
14	171711	RBT18603-5	Cup -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required	Firmed	3/23/18	4 pcs	0 pcs	4 pcs	\$4.77/pcs	\$19.08
15	172528	RBW6405G07331-3G-1	Receiver -Issue P/O to ATG: -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Certificate of Conformity is required	Firmed	3/23/18	4 pcs	0 pcs	4 pcs	\$4.77/pcs	\$19.08
16	172292	269T3319-5	Roll 1-Issue P/O to ATG: 2-ANODIZE COLOR CLEAR, PER IAW MIL-A- 8625F TYPE 2 CLASS 1, Water sealant 2- Certificate of Conformity is required	Firmed	3/23/18	4 pcs	0 pcs	4 pcs	\$4.77/pcs	\$19.08
17	171466	RBE703A94-1130-01-05	Fixture Handle -Issue P/O to ATG: AS PER DWG RBE703A94-1130-01- 05 -ANODIZE COLOR CLEAR, PER IAW MIL-A- 8625F TYPE 2 CLASS 1 - Certification of Conformity is required	Firmed	3/23/18	12 pcs	0 pcs	12 pcs	\$4.77/pcs	\$57.24
									Grand Total: \$1,314.75	

Order Notes

CL

3/20/2018

PURCHASE ORDER

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/20/18 3:03 PM dart.lavoie.chantal



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914803

Date: 22-Mar-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Diane Baker
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
4 ea	Part: 647.7810 Bracket A Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 22689		Rev: A PO: PO039246 Line: 3
4 ea	Part: 647.7811 BRACKET B Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 22690		Rev: A PO: PO039246 Line: 4
10 ea	Part: 646.3010 LH Half Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 22692		Rev: NC PO: PO039246 Line: 6
16 ea	Part: 646.3011 RH Half Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 22693		Rev: NC PO: PO039246 Line: 7
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>22/03/2018</u>			
Made in Canada.			



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph. (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914803

Date: 22-Mar-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Diane Baker
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms	Ship Via
	OUR TRUCK

Quantity	Description
	Certified Signature:  Receiver Signature: <u>Pro S. Doriane</u> A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.
	Made in Canada.